

ABSTRACT

Provided is an exhaust emission control device which can properly burn off soot and soluble organic fraction attached to and accumulated on electrodes of a plasma generator. The exhaust emission control device with a post-processing device (catalyst regenerative particulate filter) for allowing exhaust gas to pass therethrough for gas purification incorporated in an exhaust pipe of an internal combustion engine (diesel engine) comprises a plasma generator arranged upstream of the post-processing device for discharging electricity in the exhaust gas to generate plasma, flow-through type oxidation catalyst arranged upstream of the plasma generator, fuel adding means (controller) arranged upstream of the oxidation catalyst for adding fuel into the exhaust gas, temperature increasing means (suction throttling valve or controller) for increasing the exhaust temperature to a level enough for oxidation reaction on the oxidation catalyst of the fuel added by said fuel adding means.